



Radio Frequency Systems line of high performance coaxial cable connectors are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up the attachment of connectors to HELIFLEX® coaxial cables. RFS connectors are fully tested for mechanical and electrical compliance specifications. They are available in all popular cable sizes in a variety of mating interfaces. To join two cables with EIA connectors, two identical socket connectors are installed on either end of the cables to be joined, and a coupling element is used to make the connection of the center conductor. The coupling element must be ordered separately with the exception of the S-Line male versions that have a captivated coupling element. Connectors are available in sizes matching the nominal cable size. EIA connectors provide optimal power handling for the complete transmission line system.

**FEATURES / BENEFITS**

- Solderless - Captivated spring finger contacts permit quick, easy and precise solderless installation utilizing only basic hand tools. Avoids the high impedance risk associated with soldering.
- Corrosion-Proof Silver Plated Contacts - Featured even on standard connectors. Provide improved contact resistance and lower intermodulation.
- Outstanding Electrical Performance - Metal to Metal contact between cable and connector - no plastic parts used. Secure connection highly resistant to pull-off or twist-off provides long-term mechanical integrity. Resistant to intermodulation after temperature cycling.
- Easy to Install - No special tools needed. Only basic hand tools required. No additional costs to the installer.



Connector 7/8" EIA

[External Document Links](#)

[Notes](#)

**Technical features**

**GENERAL SPECIFICATIONS**

Transmission Line Type		Coaxial Cable
Cable Size		1-5/8
Cable Type		Air Dielectric
Model Series		HCA158-50 Series
Connector Interface		7/8" EIA
Connector Type		Gas Barrier
Sealing Method		O-ring
Gender		None

**MECHANICAL SPECIFICATIONS**

Plating Outer/Inner		Brass/Silver
Length	mm (in)	105 (4.14)
Outer Diameter	mm (in)	63 (2.5)
Inner Contact Attachment		Threaded
Outer Contact Attachment		Tab Flare

**ACCESSORIES**

Wrench size front	mm (in)	29 (1-1/8)
Wrench size rear	mm (in)	58 (2-1/4)



**78EIA-HCA158-001**

7/8" EIA Connector for 1-5/8" Coaxial Cable, Gas Barrier O-ring sealing, Brass/Silver

